

**OAK RIDGE NATIONAL LABORATORY
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POST OFFICE BOX 2008, OAK RIDGE, TENNESSEE 37831-6170**

**ORNL
FOREIGN TRIP REPORT
TA 437433**

DATE: May 4, 2019 – May 10, 2019

SUBJECT: Attend the 37th Plenary of ISO TC85/SC5 “Nuclear Installations, Processes, & Technologies,” Hosted by DIN, the German Institute for Standardization in Germany, Berlin, Germany

TO: Angela Chambers, Nuclear Criticality Safety Program Manager, National Nuclear Security Administration / NA-511/GTN, Pantex Plant, PO Box 30020, Amarillo, TX 79120-0020

FROM: Douglas G. Bowen

**MEETING:
TITLE** 37th Plenary of ISO TC85/SC5 “Nuclear Installations, Processes, & Technologies,” Hosted by DIN, the German Institute for Standardization in Germany, Berlin, Germany

**MEETING:
LOCATION** DIN, the German Institute for Standardization in Germany, Berlin

**MEETING:
DATES** 06-09 May 2019

**ATTENDEES:
ON BEHALF
OF NCSP** Douglas G. Bowen

**MEETING:
BENEFIT TO
NCSP** The NCSP benefits from United States (US) participation in the leadership and development of International Organization for Standardization (ISO) standards related to Nuclear Criticality Safety (NCS) directly from sharing the US perspective on NCS community developments in the ANS-8 series standards. The ISO TC85 (Technical Committee on Nuclear energy) / SC5 (Subcommittee on Nuclear technology) / WG8 (Working Group 8) continues to develop international standards identified as needed by member bodies of ISO. SC5 and the WGs meet on an annual basis for face-to-face discussions for the review, comment, and revision of draft documents addressed during the year. Also, the WGs identify possibly needed additional standards to address evolving technologies and international concerns, economic or otherwise. This information is shared with the ANS-8 subcommittee participants at American Nuclear Society meetings to ensure awareness of ISO NCS standards work in progress, challenges, and guidance needs abroad. Working group chairs can use the

developments in the ISO NCS standards to influence or enhance consensus standards in the US NCS community. The US Nuclear Regulatory Commission is now endorsing some ISO NCS standards for use by its licensees. A final report from Bowen for the meetings conducted is attached to this trip report.

MEETING PURPOSE: The purpose of the travel to Berlin, Germany, was to attend and participate in the ISO TC85/SC5 Plenary and to conduct ISO TC85/SC5/WG8 “Nuclear Criticality Safety” business as convener and US ANSI/ASTM NTAG ISO deputy overall advisor for “Nuclear Criticality Safety”. This is ongoing work and work from the previous meeting in Helsinki, Finland, was reviewed and new work resolutions were created for a new work year. The attached status report from the Berlin WG8 meetings was presented to the Chair of ISO TC85/SC5 as the official report for work being done by WG8.

SITES VISITED: DIN, the German Institute for Standardization in Germany, Berlin

ABSTRACT: Bowen traveled to DIN in Berlin, Germany, to attend and participate in the ISO TC8/SC5 Plenary meeting. Bowen also conducted 2-days of ISO TC85/SC5/WG8 meetings toward the goal of developing and maintaining the ISO NCS standards for use internationally.

**Access to the information in this report is limited to those indicated
on the distribution list and to U.S. Government Agencies and their Contractors.**

REPORT OF FOREIGN TRAVEL

**Douglas G. Bowen
Berlin, Germany
06-09 May 2019**

CONVENOR	Douglas G. BOWEN (US)
CO- CONVENOR	Gregory CAPLIN (FR)
NUMBER OF PARTICIPANTS:	13 Total representing 8 ISO Member Countries (see attached attendance list) ISO TC85/SC5 Chair and Secretary attended portions of the WG8 meeting
COUNTRIES REPRESENTED:	1-CA, 4-FR, 1-GE, 1-JP, 1-SE, 2-UK, 2-US, 1-FI
DOCUMENTS DISTRIBUTED	See attached agenda, ISO TC85/SC5/WG8 Final Meeting Agenda
DOCUMENTS DISCUSSED	See attached agenda, ISO TC85/SC5/WG8 Final Meeting Agenda
WG MEETINGS SINCE THE LAST PLENARY (DATES AND PLACES)	None since the 2018/05/14-18 WG8 meeting in Helsinki, Finland.
WORK ITEM IN PROGRESS	<ol style="list-style-type: none"> 1. Administrative tasks relevant to SC5/WG8 business with respect to IAEA, SC6/WG1, and SC5/WG4 collaboration, reviewing our N-documents used for internal reference, sharing definitions with TC85/WG1, and internal WG8 work practices 2. Continued development of an N-document for <i>Two-column</i> translations of foreign words and phrases potentially specific to NCS 3. Continued development of a working draft for a <i>Waste</i> standard for Nuclear Criticality Safety 4. Continued development of a <i>Nuclear Criticality Safety Dimensions</i> Standard 5. Development of a proposed standard for Nuclear Criticality Safety Risk Assessment Methodology 6. Continued development of the proposed standard NCS Operations Training 7. Development of a revision to ISO 7753 (FR to lead). 8. Updating existing draft of an N-document for definitions to support WG8 products 9. Updating an N-document for Nuclear Criticality Safety Role Definitions for consistency amongst ISO WG8 standards and to support the proposed standard for NCS Operations Training 10. Consideration of a minor revision to the ISO 16117 Standard "Estimation of the number of fissions of a postulated criticality accident" 11. Submission of an amendment request for the resolution of FDIS comments received for the recent ISO 1709 revision 12. Generation of ISO standard summaries for all WG8 standards and save as N-documents 13. Proposal for the development of a new ISO standard for validation of computational methods for NCS
DIFFICULTIES MET	None

RESOLUTIONS	<p>Resolution #1: ISO TC85/SC5/WG8 thanks Mickael Hampartzounian for his hard work and dedication to support WG8.</p>
	<p>Resolution #2: ISO TC85/SC5/WG8 thanks DIN, the German Institute for Standardization in Germany for hosting the 37th Plenary Meeting of ISO/TC 85/SC 5 in Berlin, Germany.</p>
	<p>Work Item #1 – WG8 Business</p>
	<ul style="list-style-type: none"> • Resolution #3: WG8 to review/comment on WG8 internal process N- document. WG8 – Jun 2019 • Resolution #4: Incorporate comments and publish NDOC. Include linkages to IAEA and other agencies to the WG8 process document to formalize linkage agreement and update WG8 roadmap to include linkages to relevant external agencies. BOWEN (US) – Jun 2019 • Resolution #5: Modify WG8 transportation NDOC as necessary based upon WG4 interactions. BOWEN (US) – May 2019 • Resolution #6: Share ISO 1709 and draft waste standard with WG4 to identify conflicts and ensure awareness of transportation statements in WG8 products. BOWEN (US)/WG4 – Aug 2019 • Resolution #7: Invite SC5/WG4 to respond to resolution 6 with their feedback. BOWEN (US) – Dec 2019 • Resolution #8: Publish WG8 ISO Standard Status and Work Activity N- document. BOWEN (US) – May 2019 • Resolution #9: Update internal processes document to include the update of the 2-column guidance between DIS/FDIS stage of each project. BOWEN (US) – Jun 2019
	<p>Work Item #2 – 2-Column Guidance N-document</p>
	<ul style="list-style-type: none"> • Resolution #10: Revise 2-column guidance NDOC N176 for new standards that have been developed and to clarify the intent/purpose of the document. CAPLIN (FR) – Aug 2019
	<p>Work Item #3 – Proposed Waste Standard</p>
	<ul style="list-style-type: none"> • Resolution #11: UK to send WG8 a new draft of the waste standard. SUTTON (UK) – Early Jun 2019 • Resolution #12: WG8 review/comment – 2 weeks. WG8 – Middle Jun 2019 • Resolution #13: Submit FDIS ballot. SUTTON (UK)/BOWEN (US) – Early Jul 2019
	<p>Work Item #4 – Proposed Risk Assessment Standard</p>
	<ul style="list-style-type: none"> • Resolution #14: WG8 to review/comment on latest draft standard. WG8 to provide recommendation about continuing with this proposed standard. WG8 – Aug 2019
	<p>Work Item #5 – NCS Operations Training Standard</p>
	<ul style="list-style-type: none"> • Resolution #15: Resolve CD ballot comments. WEBBORN (UK) – Jun 2019 • Resolution #16: WG8 to review/comment within 2-weeks to ensure comments have been incorporated. WG8 – Jul 2019 • Resolution #17: Submit for DIS ballot. WEBBORN (UK)/BOWEN (US) – Sep 2019
	<p>Work Item #6 – Proposed Revision to ISO 7753</p>
	<ul style="list-style-type: none"> • Resolution #18: WG8 review/comment on new draft. WG8 – Aug 2019 • Resolution #19: WG8 members to provide information or presentation to WG8 about how they use CAAS in their country. SC5 leadership to provide assistance for an information request. Share this information with WG8. WG8 – Dec 2019 • Resolution #20: France to summarize information provided by WG8 on the use of CAAS. Information to be presented at next ISO meeting. LAGET (FR) – May 2020 • Resolution #21: WG8 comments to be incorporated and a new draft developed. LAGET (FR) – Dec 2019 • Resolution #22: Submit for NWIP ballot. (Currently, FR, UK, SE, US, JP, CA support this project) LAGET (FR)/BOWEN (US) – Jan 2020
	<p>Work Item #7 – Terms and Definitions N-document</p>
	<ul style="list-style-type: none"> • Resolution #23: Issue draft 4 of the NDOC. HARRIS (UK)/BOWEN (US) – May 2019 • Resolution #24: Commence work on Issue 2 of the NDOC. HARRIS (UK) – Mar 2020 • Resolution #25: WG8 commence review/comment on the revised NDOC. WG8 – May 2020

	<p>Work Item #8 – Role Definitions N-document</p> <ul style="list-style-type: none"> • Resolution #26: UK to generate a revision of the Role Definition NDOC and send to WG8 for review. HARRIS (UK) – Jun 2019 • Resolution #27: WG8 to review/comment and provide comments. WG8 – Sep 2019 • Resolution #28: Publish NDOC. BOWEN (US)/HARRIS (UK) – Dec 2019 <p>Work Item #9 – Proposed revision to ISO 7753 for Criticality Accident Alarm Systems</p> <ul style="list-style-type: none"> • Resolution #29: Provide WG8 with details about a proposed, minor, revision to ISO 16117, “Estimation of the Number of Fissions of a Postulated Criticality Accident.” YAMANE (JP) – Jun 2020 <p>Work Item #10 – Amendment to ISO 1709 Standard</p> <ul style="list-style-type: none"> • Resolution #30: Submit a draft ISO 1709 Amendment document. HARRIS (UK) – Aug 2019 • Resolution #31: WG8 2-week review/comment. WG8 – Sep 2019 • Resolution #32: UK to revise draft ISO 1709 amendment and to submit a DIS ballot, as appropriate. HARRIS (UK)/BOWEN (US) – Dec 2019 <p>Work Item #12 – ISO Standard Summary Documents (Brochures)</p> <ul style="list-style-type: none"> • Resolution #33: WG8 to review ISO 1709 Summary NDOC and provide input to HARRIS (UK). WG8 – Jun 2019 • Resolution #34: Project leaders provide 1-page Summary NDOCs for their ISO standards. WG8 Project Leaders – Aug 2019 • Resolution #35: WG8 to perform 2-week review/comment on draft Summary NDOCs. WG8 – Sep 2019 <p>Work Item #13 – Proposed ISO Standard for Validation of Computational Methods</p> <ul style="list-style-type: none"> • Resolution #36: Develop a skeleton draft for a new standard for validation of computational methods. Project will be co-led by US/FR. MUNSON (US) – May 2020
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ISO TC85/SC5/WG8 Final Meeting Agenda

Tuesday, May 7, 2019 (9:00 am-6:00 pm)

Time (Duration)	Topic of Discussion	Lead
0900 (15)	<p>(1) Welcome, introductions and distribution of attendance list. Review, modification, and acceptance of agenda. 00 - TC85 SC5 WG08 2019 Final Agenda Rev4 - 05-06-2019.pdf 00a - TC85 SC5 WG08 2019 Berlin Final Report.pdf 01 - ISO_TC 85_SC 5_WG8 9th meeting attendance list.pdf</p> <p>(2) Discuss WG8 member changes since the last meeting 02 - Membership changes since Helsinki.pdf</p>	BOWEN (US) WG8
0915 (15)	<p>(3) Review and status the Helsinki WG8 meeting resolutions 03 - ISO Projects - WG8 Standards Status Report from ISO Projects Website.pdf 03a - TC85 SC5 WG08 2018 Helsinki Final Report.pdf</p>	BOWEN (US)
0930 (30)	<p>(4) WG8 Business Resolutions</p> <ul style="list-style-type: none"> Resolution 3 – Collaborate with the IAEA and determine how a representative from ISO TC85/SC5/WG8 can attend nuclear criticality safety meetings. (Complete) Resolution 4 – Initiate a new WG8 process review all N-documents (ISO 1709 definitions documents, WG8 roadmap, etc.) for validity each year prior to annual WG8 meetings. This new process will include reminding WG8 to review and provide comments to annual WG8 meetings. (Complete) 04 - ISO-TC85-SC5-WG8 - Internal Processes.docx Resolution 5 – Conduct an initial telecon to discuss the context and share our definitions with TC85/WG1. (Not Complete) Based on recent lessons-learned, create a new N-document for internal policies and procedures used to minimize comments at the DIS phase of a ballot. (Note: Redo DIS ballot and possibly extend the revision duration in the event a DIS ballot generates a large number of comments. There is also an amendment process to perform limited revisions within original scope. Can proceed directly to the desired stage, e.g., DIS ballot) <ul style="list-style-type: none"> Resolution 6 – Draft NDOC – September 2018 (Complete) 04 - ISO-TC85-SC5-WG8 - Internal Processes.docx Resolution 7 – WG8 review/comment – February 2019 (In Progress) Resolution 8 – Update NDOC for WG8 2019 WG8 meeting – May 2019 (Not Complete) <p>• There is no Resolution 9.</p>	BOWEN (US) CAPLIN (FR)

Tuesday, May 7, 2019 (9:00 am-6:00 pm)		
Time (Duration)	Topic of Discussion	Lead
1000 (30)	<p>(5) Transportation Topics</p> <ul style="list-style-type: none"> Resolution 10 – Modify WG8 transportation NDOC as necessary based upon WG4 interactions. BOWEN, WG4 – May 2018 (Not Complete) Resolution 11 – Share ISO 1709 and draft waste standard with WG4 to identify conflicts and ensure awareness of transportation statements in WG8 products. BOWEN, WG4 – June 2018 (Not Complete) Resolution 12 – Invite SC5/WG4 to respond to resolution 11 with their feedback – December 2018 (Not Complete) <p>05a - Harris Transport Position Statement Email - Resolution 10 Helsinki - June 2018.pdf 05b - ISO-TC85-SC5-WG8-N184 Transport-Position Statement for ISO WG8 Issue 1.pdf 05c - ISO-TC85-SC5-WG8-N184 Transport-Position Statement for ISO WG8 Issue 1-tracked changes.docx 05d - ISO-TC85-SC5-WG8-N184 Transport-Position Statement for ISO WG8 Issue 1.docx</p>	BOWEN (US) CAPLIN (FR)
1030 (30)	<p>(6) WG8 Standards Status Document</p> <ul style="list-style-type: none"> Resolution 13 – Solicit WG8 comments on the “Status of WG8 Standards” status document. WG8 to provide comments. BOWEN, WG8 – June 2018 (Complete) Resolution 14 – Resolve WG8 comments on the “Status of WG8 Standards” status document. HAMPARTZOUNIAN – July 2018 (Not Complete) <p>06 - ISO-TC85-SC5-WG8-N00X Annual Support.docx</p>	BOWEN (US)
1100 (30)	<p>(7) Status of 2-Column Guidance to ensure consistency with existing 1709 and WG1 Terminology standard</p> <ul style="list-style-type: none"> Resolution 15 – Revise 2-column guidance to clarify the intent/purpose of the document. HAMPARTZOUNIAN – September 2018 (Not Complete) <p>07 - NDOC 2-Column_Guidance_Document.pdf</p>	CAPLIN (FR)
1130 (15)	Break	
1145 (30)	<p>(8) Status of the proposed waste standard draft</p> <ul style="list-style-type: none"> Resolution 16 – Seek a DIS ballot for the proposed waste standard. SUTTON, BOWEN – September 2018 (Complete) <p>08a - ISO DIS 22946.pdf 08b - Form 13 - Voting Results - ISO-TC85-SC5_N0922_DIS_22946.pdf 08c - Form 8A - Committee Decision for DIS - ISO 22946.pdf 08d - ISO Projects - ISO_DIS 22946.pdf 08e - Sutton - ISO_waste_standard_presentation_Berlin.pdf</p>	SUTTON (UK)

Tuesday, May 7, 2019 (9:00 am-6:00 pm)		
Time (Duration)	Topic of Discussion	Lead
1215 (15)	<p>(9) Status of the draft NCS Dimensions Standard and status of DIS ISO 21391 ballot</p> <ul style="list-style-type: none"> • Resolution 17 - DIS comments resolved. BOWEN, BARDELAY – October 2018 (Complete) • Resolution 18 – WG8 comments/consensus of DIS comments. BOWEN, BARDELAY – December 2018 (Complete) • Resolution 19 – FDIS ballot initiated. BOWEN, BARDELAY – January 2019 (Complete) • Resolution 20 – Publication as an ISO standard. BOWEN, BARDELAY – April 2019 (Pending Resolution 19) 09 - ISO Projects - ISO_FDIS 21391.pdf 09a - ISO-21391 FDIS_Final.pdf 09b - 2019_05_07_ISO_21391_WG8.pdf • There were two Resolution 20's 	BARDELAY (FR)
1230 (30)	<p>(10) Status of the NCS Risk Assessment draft standard</p> <ul style="list-style-type: none"> • Resolution 20 – Update draft document and distribute to WG8 for review/comment. KHOTYLEV, BOWEN – December 2018 (Complete) • Resolution 21 - WG8 to conduct an informal vote about whether or not to move forward to the NWIP stage. BOWEN, WG8 – March 2019 (Pending) • Resolution 22 – If necessary, WG8 to review/comment on the draft Nuclear Criticality Safety Risk Assessment proposed standard and provide comments to Vladimir KHOTYLEV. WG8 – May 2019 (Pending) 10a - Khotylev email - 3-15-2019.pdf 10b - Nuclear Criticality Risk Assessment_DRAFT 2019Mar14a.docx 10c - 2019 Status Risk_Assess_Standard.pdf 	KHOTYLEV (CA)
1300 (60)	Lunch	
1400 (30)	<p>(11) Status of the Operations Training draft standard (ISO/NP 23133)</p> <ul style="list-style-type: none"> • Resolution 23 – For the operations training proposed standard liaise with the nominated experts for this project to resolve outstanding WG8 comments. WEBBORN – August 2018 (Complete) • Resolution 24: Issue a formal working draft to WG8 at the CD stage. BOWEN, WEBBORN – September 2018 (Complete) 11a - ISO Projects - ISO_CD 23133.pdf 11b - ISO CD 23133 as balloted 2019-01 11c - ISO_CD 23133 Collated Comments.docx 11d - ISO_TC85_SC5_WG8 - Criticality Safety Training for Operations Update_May2019.pdf 	HARRIS (WEBBORN) (UK)
1430 (45)	<p>(12) Revision of ISO-7753 “Nuclear Energy – Performance and testing requirements for criticality detection and alarm systems”</p> <ul style="list-style-type: none"> • Resolution 25 – WG8 members to provide information or presentation to WG8 about how they use CAAS in their country. SC5 leadership to 	LAGET (FR)

Tuesday, May 7, 2019 (9:00 am-6:00 pm)		
Time (Duration)	Topic of Discussion	Lead
	<p>provide assistance for an information request. Share this information with WG8. WG8 – December 2018 (In Progress)</p> <ul style="list-style-type: none"> Resolution 26 – France to summarize information provided by WG8 on the use of CAAS. Information to be presented at next ISO meeting. LAGET – May 2019 (Not Complete) Resolution 27 – Provide a new skeleton draft of the ISO 7753 revision. LAGET – May 2019 (Complete) <p>12a - Email Message from Michael LAGET about ISO 7753 pre-NWIP Draft - 05-03-2019.pdf 12b - Draft ISO 7753 2019-04-19.docx 12c - Email Regarding ISO 7753.pdf 12d - CriticalityAlarmSystem_Rokkasyo.pdf 12e - Tokai Reprocessing Plant in Japan.pdf 12f 2019_05_07_ISO_7753_WG8.pdf</p>	
1515 (15)	Break	
1530 (30)	<p>(13) Generation of an N-Document for WG8 Definitions and Terms</p> <p>Resolution Status:</p> <ul style="list-style-type: none"> Resolution 28 – Issue draft NDOC for WG8 definitions. HARRIS – June 2018 (Not Complete) Resolution 29 – Update NDOC, as necessary, to consider new, proposed, definitions and terms. HARRIS – May 2019 (Not Complete) <p>13 - Terms and Definitions - May 2019 Meeting.pdf</p>	HARRIS (UK)
1600 (30)	<p>(14) Update the Current N-Document for NCS Role Definitions</p> <ul style="list-style-type: none"> Resolution 30 – Update NDOC for NCS Role Definitions for the proposed operations standard. HARRIS – June 2019 (Not Complete) <p>14 - ISO-TC85-SC5-WG8_N0162_ISO_TC85_SC5_WG8_Role_Definitions_N-Document_-_19Jul17_Initial_Release.pdf</p>	HARRIS (UK) WG8
1630 (30)	<p>(15) Details for a Proposed Revision to ISO 16117 “Nuclear criticality safety – Estimation of the number of fissions of a postulated criticality accident”</p> <ul style="list-style-type: none"> Resolution 31 – Provide WG8 with details about a proposed, minor, revision to ISO 16117 prior to Systematic Review scheduled in July 2018. YAMANE – June 2018 (Not Complete) <p>15a - ISO Projects - ISO 16117_2013.pdf 15b - JP_FR Email Regarding ISO 16117.pdf</p>	
1700 (30)	<p>(16) Proposed Amendment to ISO 1709</p> <ul style="list-style-type: none"> Resolution 32 – Request an Amendment to the current version of ISO 1709 to resolve outstanding FDIS comments that are within the current scope of the standard. WG8 will propose sending this Amendment request directly to the DIS ballot stage. HARRIS, BOWEN – August 2018 (Not Complete) <p>16a - ISO-1709 - May 2019 Meeting - Post Issue 16b - Outstanding FR Comments - 1709 Revision.pdf 16c - UK_FR Email Conversation 1709 Revision.pdf</p>	

Tuesday, May 7, 2019 (9:00 am-6:00 pm)		
Time (Duration)	Topic of Discussion	Lead
1730 (10)	(17) Generate resolutions for role of convenor and co-convenor in WG8 <i>17a - ISO_TC 85_SC 5_WG8 9th meeting attendance list.pdf</i> <i>17b - Email from Mark Denton regarding CAG Topics.pdf</i>	WG8
1740 (20)	End of day discussion and documentation of resolutions	WG8
1800	Adjourn	

Wednesday, May 8, 2019 (9:00 am-6:00 pm)		
Time (Duration)	Topic of Discussion	Lead
0900 (20)	(18) Summary of Tuesday WG8 meeting/discussions and presentation of agenda for Wednesday	BOWEN (US)
0920 (15)	(19) Discussion of SC5 roadmap to WG8. SC5 expects the roadmap document to be maintained over time – add to internal policy. External standards should be considered for addition. To be maintained in VISEO. SC5 would like WG8 to discuss adding external standards to the Roadmap document – WG8 to discuss. <i>19 - ISO TC 85 SC5 Roadmaps 2018-05 V2.pdf</i>	BOWEN (US)
1000 (20)	(20) Discussion of upcoming systematic reviews (see table on last page of this agenda). SC5 would like systematic reviews to be timed appropriately with annual meetings to allow for discussion within the WGs. <i>20 - ISO Standards - systematic reviews.pdf</i> <i>20a - ISO 7753 - systematic reviews.pdf</i> <i>20b - ISO 14943 - systematic reviews.pdf</i>	WG8
1020 (30)	(21) Discussion about use of ISO WG8 workspace for archiving project documents and comment resolution https://isotc.iso.org/livelink/livelink?func=ll&objId=8856509&objAction=browse&sort=name&viewType=1	BOWEN (US)
1050 (15)	Break	
1105 (30)	(22) WG8 Linkages with IAEA, NEA/OECD, and other external experts SC5 recommended that we discuss this topic this week. External experts to NEA/OECD and the IAEA, for example, to formally request input from other experts, <u>if needed</u> . <i>Discuss adding this to internal policy document in the event our informal liaisons could not participate, and external input is needed.</i> <i>22 - SC5 IAEA-External Expert Discussion.pdf</i> https://www.oecd-neo.org/science/ https://www.iaea.org/resources/safety-standards	WG8

Wednesday, May 8, 2019 (9:00 am-6:00 pm)		
Time (Duration)	Topic of Discussion	Lead
1135 (30)	<p>(23) Common meeting with ISO TC85/SC6/WG1 Proposed follow up discussion: The TC85/SC6/WG1 is going to propose the following standard project: Methodology for fission density profile and sub-criticality modeling of irradiated fuels in a reactor pool. This project seems to be also in the scope of the WG8. It could be interesting to have a meeting with the TC85/SC6/WG1 to discuss on this project. Maybe we can propose a partnership with TC85/SC6/WG1 on this subject.</p> <p><i>Status update from Mike Brisson, WG1: Mike mentioned that the proposed fission density profile standard in a reactor pool is not a proposal that is being initiated at this time.</i></p>	WG8 WG1
1205 (15)	<p>(24) CA Standards and regulations status <i>24 - Update_on Canadian Criticality Safety Standards.pdf</i></p>	KHOTYLEV (CA)
1220 (15)	<p>(25) UK Standards and regulations status <i>25 - UK Update - May 2019 Meeting.pdf</i></p>	HARRIS (UK)
1235 (15)	<p>(26) OECD/NEA criticality working group status. Discuss activities in the ICSBEP and IRPhE. <i>26 - Mennerhahl-DM-ISO-2019.pdf</i></p>	MENNERDAHL (SE)
1250 (60)	Lunch	
1400 (15)	<p>(27) US Standards and regulations status <i>27 - Bowen - ANS-8 Update.pdf</i></p>	BOWEN (US)
1415 (15)	<p>(28) Discussion about ICNC 2019 https://www.icnc2019.com/ <i>28 - ISO_2019-ICNC information.pdf</i></p>	BARDELAY (FR)
1430 (15)	(29) JP Standards and regulations status	YAMANE (JP)
1445 (15)	<p>(30) US NRC regulation/guidance status <i>30 - Munson_NRC_Regulations_and_Guidance.pdf</i></p>	MUNSON (US)
1500 (45)	<p>(31) Discussion about WG8 participation at TC85 Plenary in Hangzhou, Zhejiang Province, P.R. China for a recommendation to SC5 <i>31 - ISOTC85-2020年会筹备方案2019.03.16-En Edition-Corr.2[4].pdf</i></p>	WG8
1545 (15)	Break	
1600 (45)	<p>(32) Project timelines per SC5 and including this information in project folders <i>32 - Example Timeline - Dimensions Standard.pdf</i></p>	WG8
1645 (75)	<p>(33) Summary, wrap-up, SC5 plenary preparation, generation of final report and presentation</p> <ul style="list-style-type: none"> <i>UK proposal to generate brochure documents for distribution at conferences and other meetings.</i> <i>33a - ISO-TC85-SC5-WG8-N00XXX ISO-1709 Summary - Draft 1.pdf</i> <i>Final Slides from the SC5 Plenary, Thursday, 09 May 2019</i> <i>34b - TC85 SC5 WG08 2019 Report Resolutions Slides.pdf</i> 	WG8
1800	Adjourn	

Draft meeting schedule 37th Plenary Meeting of ISO/TC 85/SC 5, 6th May to 9th May 2019, Berlin, Germany

Monday, 6th of May 2019	Breakfast available between 9.00 and 11.00	09:00 hrs to 13:00 hrs	Lunch available between 13.00 and 14.00 Afternoon snacks available between 15.00 and 16.00	14:00 hrs to 18:00 hrs
Tuesday 7th of May 2019				ISO/TC 85/SC 5 • CAG room 104cd
		ISO/TC 85/SC 5/WG 1 room 0104a		ISO/TC 85/SC 5/WG 1 room 0104a
		ISO/TC 85/SC 5/WG 4 room 0104b		ISO/TC 85/SC 5/WG 4 room 0104b
		ISO/TC 85/SC 5/WG 5 room 0101		ISO/TC 85/SC 5/WG 5 room 0101
		ISO/TC 85/SC 5/WG 8 room 0102		ISO/TC 85/SC 5/WG 8 room 0102
Wednesday, 8th May 2019		ISO/TC 85/SC 5/WG 13 room 0104cd		ISO/TC 85/SC 5/WG 13 room 0104cd
		ISO/TC 85/SC 5/WG 1 room 0104a		ISO/TC 85/SC 5/WG 1 room 0104a
		ISO/TC 85/SC 5/WG 4 room 0104b		ISO/TC 85/SC 5/WG 4 room 0104b
		ISO/TC 85/SC 5/WG 5 room 0101		ISO/TC 85/SC 5/WG 5 room 0101
		ISO/TC 85/SC 5/WG 8 room 0102		ISO/TC 85/SC 5/WG 8 room 0102
Thursday, 9th May 2019		ISO/TC 85/SC 5/WG 13 room 0104cd		ISO/TC 85/SC 5/WG 13 room 0104cd
		ISO/TC 85/SC 5 room 086		

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version 2018-12 win/bsa

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